

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	306	(433/6).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/05/19 13:38
S2	39	(US-20030224313-\$).did. or (US-6935857-\$ or US-6790036-\$ or US-6626664-\$ or US-6302686-\$ or US-6132208-\$ or US-5876199-\$ or US-5816799-\$ or US-5752822-\$ or US-5683244-\$ or US-5645420-\$ or US-5624257-\$ or US-5536168-\$ or US-5499633-\$ or US-5779470-\$ or US-5415542-\$ or US-5365945-\$ or US-5338190-\$ or US-5328362-\$ or US-5203695-\$ or US-5028231-\$ or US-4983334-\$ or US-4919612-\$ or US-4898535-\$ or US-4830612-\$ or US-4784605-\$ or US-4591341-\$).did. or (US-4580975-\$ or US-4568280-\$ or US-4505672-\$ or US-4504225-\$ or US-4371336-\$ or US-4370129-\$ or US-4073061-\$ or US-4055895-\$ or US-3837081-\$ or US-3724075-\$ or US-3536069-\$ or US-3286576-\$).did.	US-PGPUB; USPAT	OR	OFF	2006/01/31 13:49
S3	438590	transparent	US-PGPUB; USPAT	OR	OFF	2006/01/31 13:49
S4	6	S2 and S3	US-PGPUB; USPAT	OR	OFF	2006/01/31 13:50
S5	39	(US-20030224313-\$).did. or (US-6935857-\$ or US-6790036-\$ or US-6626664-\$ or US-6302686-\$ or US-6132208-\$ or US-5876199-\$ or US-5816799-\$ or US-5752822-\$ or US-5683244-\$ or US-5645420-\$ or US-5624257-\$ or US-5536168-\$ or US-5499633-\$ or US-5779470-\$ or US-5415542-\$ or US-5365945-\$ or US-5338190-\$ or US-5328362-\$ or US-5203695-\$ or US-5028231-\$ or US-4983334-\$ or US-4919612-\$ or US-4898535-\$ or US-4830612-\$ or US-4784605-\$ or US-4591341-\$).did. or (US-4580975-\$ or US-4568280-\$ or US-4505672-\$ or US-4504225-\$ or US-4371336-\$ or US-4370129-\$ or US-4073061-\$ or US-4055895-\$ or US-3837081-\$ or US-3724075-\$ or US-3536069-\$ or US-3286576-\$).did.	US-PGPUB; USPAT	OR	OFF	2006/01/31 16:42
S6	37355	roughened	US-PGPUB; USPAT	OR	OFF	2006/01/31 16:42

## EAST Search History

S7	2	S5 and S6	US-PGPUB; USPAT	OR	OFF	2006/01/31 16:44
S8	143489	rough	US-PGPUB; USPAT	OR	OFF	2006/01/31 16:44
S9	1	S5 and S8	US-PGPUB; USPAT	OR	OFF	2006/01/31 16:44
S10	86892	tongue	US-PGPUB; USPAT	OR	OFF	2006/02/01 09:52
S11	306	(433/6).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/02/01 09:52
S12	129	S10 and S11	US-PGPUB; USPAT	OR	OFF	2006/02/01 09:56
S13	183686	hinge	US-PGPUB; USPAT	OR	OFF	2006/02/01 09:56
S14	25	S11 and S13	US-PGPUB; USPAT	OR	OFF	2006/02/01 09:59
S15	351	128/861.ccls.	US-PGPUB; USPAT	OR	OFF	2006/02/01 09:59
S16	31	S15 and S13	US-PGPUB; USPAT	OR	OFF	2006/02/01 09:59
S17	24	S16 not S14	US-PGPUB; USPAT	OR	OFF	2006/02/01 10:00
S18	38	("3536069").URPN.	USPAT	OR	OFF	2006/02/01 10:07
S19	23	("2590118"   "2857909"   "3848335"   "3898746"   "3939598"   "3950851"   "4073061"   "4114614"   "4139944"   "4784605"   "4799884"   "4830612"   "4898535"   "4919612"   "5037294"   "5037295"   "5203695"   "5415542"   "5645420"   "5876199"   "D323215").PN. OR ("6626664").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/01 10:09
S20	69463	thumb	US-PGPUB; USPAT	OR	OFF	2006/02/01 10:50
S21	43	S11 and S15	US-PGPUB; USPAT	OR	OFF	2006/02/01 10:50
S22	614	S11 or S15	US-PGPUB; USPAT	OR	OFF	2006/02/01 10:50
S23	46	S20 and S22	US-PGPUB; USPAT	OR	OFF	2006/02/01 10:54
S24	30158	sucking	US-PGPUB; USPAT	OR	OFF	2006/02/01 10:54
S25	20597	suck	US-PGPUB; USPAT	OR	OFF	2006/02/01 10:54
S26	42904	S24 or S25	US-PGPUB; USPAT	OR	OFF	2006/02/01 10:54

## EAST Search History

S27	143	S20 with S26	US-PGPUB; USPAT	OR	OFF	2006/02/01 10:55
S28	132	S27 not S23	US-PGPUB; USPAT	OR	OFF	2006/02/01 10:59
S29	69	bergersen.in.	US-PGPUB; USPAT	OR	OFF	2006/02/01 11:01
S30	1	"20050037311".pn.	US-PGPUB; USPAT	OR	OFF	2006/02/01 11:01
S31	6051	roughen	US-PGPUB; USPAT	OR	OFF	2006/02/01 11:01
S32	48985	roughen\$3	US-PGPUB; USPAT	OR	OFF	2006/02/01 11:01
S33	1	S30 and S32	US-PGPUB; USPAT	OR	OFF	2006/02/01 11:04
S34	1	S30 and S20	US-PGPUB; USPAT	OR	OFF	2006/02/01 11:04
S35	35	(("3,724,075") or ("3,837,081") or ("4,073,061") or ("4,105,032") or ("4,139,944") or ("4,370,129") or ("4,371,336") or ("4,396,373") or ("4,568,280") or ("4,591,341") or ("4,784,605") or ("4,799,884") or ("4,830,612") or ("4,919,612") or ("4,983,334") or ("4,986,751") or ("5,028,231") or ("5,037,294") or ("5,037,295") or ("5,042,506") or ("5,328,362") or ("5,334,218") or ("5,338,190") or ("5,645,420") or ("5,683,244") or ("5,779,470") or ("5,814,074") or ("5,816,799") or ("5,876,199") or ("5,882,192") or ("5,911,576") or ("5,975,893") or ("6,299,440") or ("6,454,565") or ("6,505,625")).PN.	US-PGPUB; USPAT	OR	OFF	2006/02/01 11:18

## EAST Search History

S36	39	(US-20030224313-\$).did. or (US-6935857-\$ or US-6790036-\$ or US-6626664-\$ or US-6302686-\$ or US-6132208-\$ or US-5876199-\$ or US-5816799-\$ or US-5752822-\$ or US-5683244-\$ or US-5645420-\$ or US-5624257-\$ or US-5536168-\$ or US-5499633-\$ or US-5779470-\$ or US-5415542-\$ or US-5365945-\$ or US-5338190-\$ or US-5328362-\$ or US-5203695-\$ or US-5028231-\$ or US-4983334-\$ or US-4919612-\$ or US-4898535-\$ or US-4830612-\$ or US-4784605-\$ or US-4591341-\$).did. or (US-4580975-\$ or US-4568280-\$ or US-4505672-\$ or US-4504225-\$ or US-4371336-\$ or US-4370129-\$ or US-4073061-\$ or US-4055895-\$ or US-3837081-\$ or US-3724075-\$ or US-3536069-\$ or US-3286576-\$).did.	US-PGPUB; USPAT	OR	OFF	2006/02/01 12:45
S37	143489	rough	US-PGPUB; USPAT	OR	OFF	2006/02/01 12:45
S38	1	S36 and S37	US-PGPUB; USPAT	OR	OFF	2006/02/01 12:45
S39	37355	roughened	US-PGPUB; USPAT	OR	OFF	2006/02/01 12:45
S40	2	S36 and S39	US-PGPUB; USPAT	OR	OFF	2006/02/01 12:45
S41	1	"20050037311".pn.	US-PGPUB; USPAT	OR	OFF	2006/02/01 13:37
S42	170023	rearward	US-PGPUB; USPAT	OR	OFF	2006/02/01 12:58
S43	1	S41 and S42	US-PGPUB; USPAT	OR	OFF	2006/02/01 14:32
S44	276918	wider	US-PGPUB; USPAT	OR	OFF	2006/02/01 13:33
S45	69	bergersen.in.	US-PGPUB; USPAT	OR	OFF	2006/02/01 13:33
S46	14	S44 and S45	US-PGPUB; USPAT	OR	OFF	2006/02/01 13:34
S47	1	S41 and S44	US-PGPUB; USPAT	OR	OFF	2006/02/01 13:37
S48	837645	tube	US-PGPUB; USPAT	OR	OFF	2006/02/01 14:32
S49	306	(433/6).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/02/01 14:33
S50	351	128/861.ccls.	US-PGPUB; USPAT	OR	OFF	2006/02/01 14:33

## EAST Search History

S51	43	S49 and S50	US-PGPUB; USPAT	OR	OFF	2006/02/01 15:33
S52	614	S49 or S50	US-PGPUB; USPAT	OR	OFF	2006/02/01 15:34
S53	100	S48 and S52	US-PGPUB; USPAT	OR	OFF	2006/02/01 14:47
S54	80759	absorbent	US-PGPUB; USPAT	OR	OFF	2006/02/01 14:47
S55	13	S52 and S54	US-PGPUB; USPAT	OR	OFF	2006/02/01 14:50
S56	11597	mouthpiece	US-PGPUB; USPAT	OR	OFF	2006/02/01 14:50
S57	364	S54 and S56	US-PGPUB; USPAT	OR	OFF	2006/02/01 14:51
S58	172114	oral	US-PGPUB; USPAT	OR	OFF	2006/02/01 14:51
S59	196553	teeth	US-PGPUB; USPAT	OR	OFF	2006/02/01 14:51
S60	110736	tooth	US-PGPUB; USPAT	OR	OFF	2006/02/01 14:51
S61	394175	S58 or S59 or S60	US-PGPUB; USPAT	OR	OFF	2006/02/01 14:51
S62	104	S57 and S61	US-PGPUB; USPAT	OR	OFF	2006/02/01 15:03
S63	130289	tray	US-PGPUB; USPAT	OR	OFF	2006/02/01 15:03
S64	20617	"433".clas.	US-PGPUB; USPAT	OR	OFF	2006/02/01 15:03
S65	1461	S63 and S64	US-PGPUB; USPAT	OR	OFF	2006/02/01 15:03
S66	55	S54 and S65	US-PGPUB; USPAT	OR	OFF	2006/02/01 15:31
S67	648009	square	US-PGPUB; USPAT	OR	OFF	2006/02/01 15:33
S68	47	S67 and S52	US-PGPUB; USPAT	OR	OFF	2006/02/01 15:34
S69	0	("2005037311").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/14 14:17
S70	70860	spike	US-PGPUB; USPAT	OR	ON	2006/10/14 14:17
S71	1	"20050037311"	US-PGPUB; USPAT	OR	ON	2006/10/14 14:17
S72	1	S70 and S71	US-PGPUB; USPAT	OR	ON	2006/10/14 14:25

## EAST Search History

S73	107236	cavity same lower	US-PGPUB; USPAT	OR	ON	2006/10/14 14:25
S74	2170	S70 and S73	US-PGPUB; USPAT	OR	ON	2006/10/14 14:25
S75	1	S71 and S73	US-PGPUB; USPAT	OR	ON	2006/10/14 14:26
S76	498731	cavity	US-PGPUB; USPAT	OR	ON	2006/10/14 14:26
S77	1	S71 and S76	US-PGPUB; USPAT	OR	ON	2006/10/14 14:27
S78	102236	tongue	US-PGPUB; USPAT	OR	ON	2006/10/14 14:27
S79	1	S71 and S78	US-PGPUB; USPAT	OR	ON	2006/10/14 14:31
S80	1	S71 and S76 and S79	US-PGPUB; USPAT	OR	ON	2006/10/14 14:45
S81	243928	tab	US-PGPUB; USPAT	OR	ON	2006/10/14 14:45
S82	1	S71 and S81	US-PGPUB; USPAT	OR	ON	2006/10/14 15:42
S83	76326	thumb	US-PGPUB; USPAT	OR	ON	2006/10/14 15:42
S84	1	S71 and S83	US-PGPUB; USPAT	OR	ON	2006/10/14 16:01
S85	944	433/6,80.ccls.	US-PGPUB; USPAT	OR	ON	2006/10/14 16:14
S86	373	128/861.ccls.	US-PGPUB; USPAT	OR	ON	2006/10/14 16:02
S87	1265	S85 or S86	US-PGPUB; USPAT	OR	ON	2006/10/14 16:02
S88	102236	tongue	US-PGPUB; USPAT	OR	ON	2006/10/14 16:02
S89	369	S87 and S88	US-PGPUB; USPAT	OR	ON	2006/10/14 16:02
S90	332	433/6.ccls.	US-PGPUB; USPAT	OR	ON	2006/10/14 16:14
S91	1	"20050037311"	US-PGPUB; USPAT	OR	ON	2006/10/15 15:16
S92	483679	projection	US-PGPUB; USPAT	OR	ON	2006/10/15 15:17
S93	1	S91 and S92	US-PGPUB; USPAT	OR	ON	2006/10/15 15:17
S94	1	("20050037311").PN.	US-PGPUB; USPAT	OR	OFF	2007/01/30 11:14

## EAST Search History

S95	787912	wire	US-PGPUB; USPAT	OR	ON	2007/01/30 11:14
S96	1	S94 and S95	US-PGPUB; USPAT	OR	ON	2007/01/30 11:14
S97	3	(("5246370") or ("6537070") or ("20020142265")).PN.	US-PGPUB; USPAT	OR	OFF	2007/01/30 13:47
S98	56	("4244689"   "4360343"   "4998881"   "5004422"   "5015183").PN. OR ("5246370").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 14:05
S99	571299	conical or cone	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 14:05
S100	1739	(433/172-176).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/01/30 14:05
S101	671	S99 and S100	US-PGPUB; USPAT	OR	ON	2007/01/30 14:06
S102	571299	conical or cone	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 16:06
S103	1739	(433/172-176).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/01/30 16:06
S104	671	S102 and S103	US-PGPUB; USPAT	OR	ON	2007/01/31 10:45
S105	231	groll.in.	US-PGPUB; USPAT	OR	ON	2007/01/31 10:45
S106	1739	(433/172-176).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/01/31 10:45
S107	6	S105 and S106	US-PGPUB; USPAT	OR	ON	2007/01/31 10:45
S108	571299	conical or cone	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/31 10:50
S109	671	S108 and S106	US-PGPUB; USPAT	OR	ON	2007/01/31 10:50
S110	169	(433/221).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/01/31 10:52
S111	363	(433/220-221).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/01/31 10:52
S112	1387512	angle\$2	US-PGPUB; USPAT	OR	ON	2007/01/31 10:52
S113	521956	bent or bend	US-PGPUB; USPAT	OR	ON	2007/01/31 10:52
S114	363	S111 and (S111 or S112)	US-PGPUB; USPAT	OR	ON	2007/01/31 10:53

## EAST Search History

S11 5	83	S111 and (S112 or S113)	US-PGPUB; USPAT	OR	ON	2007/01/31 10:53
S11 6	28	("20040063064" "4333197" "4403176" "4428748" "4535759" "4747824" "4787847" "4820152" "4840563" "5138733" "5158455" "5451161" "5730594" "5754016" "5914841" "6019775" "6047246" "6190167" "6241520" "6386866" "6416525" "6462461" "6619957" "6626926" "6689087" "6821119" "6955539" "6976843").PN.	US-PGPUB; USPAT	OR	ON	2007/01/31 11:24
S11 7	2	(("5762500") or ("5401170")).PN.	US-PGPUB; USPAT	OR	OFF	2007/01/31 14:26
S11 8	75	(433/41).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/01/31 16:06
S11 9	368	(433/102).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/01/31 16:07
S12 0	6	(("5192173") or ("5316076") or ("5192472") or ("5217375") or ("5565152") or ("5106303")).PN.	US-PGPUB; USPAT	OR	OFF	2007/01/31 18:59
S12 1	1	("20050037311").PN.	US-PGPUB; USPAT	OR	OFF	2007/05/16 19:30
S12 2	352	(433/6).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/05/16 19:30
S12 3	300509	hinge\$2	US-PGPUB; USPAT	OR	ON	2007/05/16 19:30
S12 4	40	S122 and S123	US-PGPUB; USPAT	OR	ON	2007/05/16 19:31
S12 5	1	("20050037311").PN.	US-PGPUB; USPAT	OR	OFF	2007/05/19 13:38
S12 6	352	(433/6).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/05/19 13:44
S12 7	300820	hinge\$2	US-PGPUB; USPAT	OR	ON	2007/05/19 13:44
S12 8	40	S126 and S127	US-PGPUB; USPAT	OR	ON	2007/05/19 13:44
S12 9	2742995	remov\$3	US-PGPUB; USPAT	OR	ON	2007/05/19 13:44
S13 0	32	S128 and S129	US-PGPUB; USPAT	OR	ON	2007/05/19 13:44
S13 1	1	("20050037311").PN.	US-PGPUB; USPAT	OR	OFF	2007/05/19 14:55
S13 2	388	128/861.ccls.	US-PGPUB; USPAT	OR	ON	2007/05/19 17:29
S13 3	352	(433/6).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/05/19 17:29

## EAST Search History

S13 4	96547	tongue	US-PGPUB; USPAT	OR	OFF	2007/05/19 17:29
S13 5	695	S132 or S133	US-PGPUB; USPAT	OR	ON	2007/05/19 17:30
S13 6	283	S135 and S134	US-PGPUB; USPAT	OR	ON	2007/05/19 17:30
S13 7	1	"20050037311".pn.	US-PGPUB; USPAT	OR	OFF	2007/10/20 11:24
S13 8	390	128/861.ccls.	US-PGPUB; USPAT	OR	ON	2007/10/20 11:36
S13 9	390	128/861.ccls.	US-PGPUB; USPAT	OR	ON	2007/10/20 11:36
S14 0	362	(433/6).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/10/20 11:40
S14 1	45	S140 and S139	US-PGPUB; USPAT	OR	ON	2007/10/20 11:40
S14 2	707	S140 or S139	US-PGPUB; USPAT	OR	ON	2007/10/20 11:40
S14 3	362	(433/6).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/10/20 16:41
S14 4	2018379	wide\$3	US-PGPUB; USPAT	OR	ON	2007/10/20 16:42
S14 5	120	S143 and S144	US-PGPUB; USPAT	OR	ON	2007/10/20 16:42
S14 6	1	("20050037311").PN.	US-PGPUB; USPAT	OR	OFF	2007/10/21 14:22
S14 7	0	("rib").PN.	US-PGPUB; USPAT	OR	OFF	2007/10/21 14:22
S14 8	245569	rib	US-PGPUB; USPAT	OR	ON	2007/10/21 14:22
S14 9	1	"20050037311".pn.	US-PGPUB; USPAT	OR	OFF	2007/10/21 14:23
S15 0	1	S148 and S149	US-PGPUB; USPAT	OR	ON	2007/10/21 14:23

## EAST Search History

S15 1	83	(US-20060141418-\$ or US-20060121417-\$ or US-20050186537-\$ or US-20050153261-\$ or US-20050053897-\$ or US-20040209226-\$ or US-20030198912-\$ or US-20030219690-\$ or US-20030224313-\$ or US-20030180688-\$ or US-20050037311-\$ or US-20030205234-\$ or US-20060246398-\$ or US-20060099546-\$ or US-20020144685-\$ or US-20060240385-\$ or US-20040142304-\$ or US-20040063070-\$ or US-20040043360-\$ or US-20050164146-\$ or US-20050037318-\$ or US-20070240724-\$ or US-20050072435-\$ or US-20040058295-\$).did. or (US-5624257-\$ or US-5365945-\$ or US-6132208-\$ or US-6302686-\$ or US-6572372-\$ or US-6626664-\$ or US-6790036-\$ or US-5536168-\$ or US-5645420-\$ or US-6935857-\$ or US-5415542-\$ or US-3871370-\$ or US-4830612-\$ or US-4799884-\$ or US-6464494-\$ or US-4304227-\$ or US-4784605-\$ or US-4591341-\$ or US-4580975-\$ or US-4568280-\$ or US-6129084-\$ or US-4505672-\$ or US-4504225-\$ or US-4371336-\$ or US-4370129-\$ or US-5779470-\$).did. or (US-4273530-\$ or US-5499633-\$ or US-4073061-\$ or US-4055895-\$ or US-3898736-\$ or US-3837081-\$ or US-3724075-\$ or US-3536069-\$ or US-3286576-\$ or US-5682903-\$ or US-5338190-\$ or US-5876199-\$ or US-5683244-\$ or US-5328362-\$ or US-5211559-\$ or US-5752822-\$ or US-6837246-\$ or US-5323787-\$ or US-5203695-\$ or US-5186623-\$ or US-5816799-\$ or US-5028231-\$ or US-4983334-\$ or US-4919612-\$ or US-4898535-\$ or US-4173505-\$ or US-5882200-\$).did. or (US-4505673-\$ or US-4139944-\$ or US-3950851-\$ or US-3848335-\$ or US-2966908-\$ or US-5037295-\$).did.	US-PGPUB; USPAT	OR	ON	2007/10/21 18:39
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## EAST Search History

S15 2	245569	rib	US-PGPUB; USPAT	OR	ON	2007/10/21 18:40
S15 3	14	S151 and S152	US-PGPUB; USPAT	OR	ON	2007/10/21 18:40
S15 4	245569	rib	US-PGPUB; USPAT	OR	ON	2007/10/21 20:34
S15 5	1	("20050037311").PN.	US-PGPUB; USPAT	OR	OFF	2007/10/21 20:34
S15 6	1	S154 and S155	US-PGPUB; USPAT	OR	ON	2007/10/22 09:40
S15 7	1	("5645420").PN.	US-PGPUB; USPAT	OR	OFF	2007/10/22 09:40

## EAST Search History

S15 8	82	(US-20060141418-\$ or US-20060121417-\$ or US-20050153261-\$ or US-20050053897-\$ or US-20040209226-\$ or US-20030198912-\$ or US-20030219690-\$ or US-20030224313-\$ or US-20030180688-\$ or US-20050037311-\$ or US-20030205234-\$ or US-20060246398-\$ or US-20060099546-\$ or US-20020144685-\$ or US-20060240385-\$ or US-20040142304-\$ or US-20040063070-\$ or US-20040043360-\$ or US-20050164146-\$ or US-20050037318-\$ or US-20070240724-\$ or US-20050072435-\$ or US-20040058295-\$).did. or (US-5624257-\$ or US-5365945-\$ or US-6132208-\$ or US-6302686-\$ or US-6572372-\$ or US-6626664-\$ or US-6790036-\$ or US-5536168-\$ or US-5645420-\$ or US-6935857-\$ or US-5415542-\$ or US-3871370-\$ or US-4830612-\$ or US-4799884-\$ or US-6464494-\$ or US-4304227-\$ or US-4784605-\$ or US-4591341-\$ or US-4580975-\$ or US-4568280-\$ or US-6129084-\$ or US-4505672-\$ or US-4504225-\$ or US-4371336-\$ or US-4370129-\$ or US-5779470-\$).did. or (US-4273530-\$ or US-5499633-\$ or US-4073061-\$ or US-4055895-\$ or US-3898736-\$ or US-3837081-\$ or US-3724075-\$ or US-3536069-\$ or US-3286576-\$ or US-5682903-\$ or US-5338190-\$ or US-5876199-\$ or US-5683244-\$ or US-5328362-\$ or US-5211559-\$ or US-5752822-\$ or US-6837246-\$ or US-5323787-\$ or US-5203695-\$ or US-5186623-\$ or US-5816799-\$ or US-5028231-\$ or US-4983334-\$ or US-4919612-\$ or US-4898535-\$ or US-4173505-\$ or US-5882200-\$).did. or (US-4505673-\$ or US-4139944-\$ or US-3950851-\$ or US-3848335-\$ or US-2966908-\$ or US-5037295-\$).did.	US-PGPUB; USPAT	OR	ON	2007/10/22 11:44
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## EAST Search History

S15 9	2018379	wide\$3	US-PGPUB; USPAT	OR	ON	2007/10/22 11:44
S16 0	36	S158 and S159	US-PGPUB; USPAT	OR	ON	2007/10/22 11:44
S16 1	1	"20050037311".pn.	US-PGPUB; USPAT	OR	OFF	2007/10/22 11:54
S16 2	80	tounge	US-PGPUB; USPAT	OR	OFF	2007/10/22 11:54
S16 3	99498	tongue	US-PGPUB; USPAT	OR	OFF	2007/10/22 11:54
S16 4	1	S161 and S163	US-PGPUB; USPAT	OR	OFF	2007/10/22 11:54

## EAST Search History

S16 5	71	(US-20050053897-\$ or US-20030198912-\$ or US-20030219690-\$ or US-20030224313-\$ or US-20030180688-\$ or US-20050037311-\$ or US-20030205234-\$ or US-20060099546-\$ or US-20020144685-\$ or US-20050037318-\$ or US-20070240724-\$ or US-20050072435-\$ or US-20040058295-\$).did. or (US-5624257-\$ or US-5365945-\$ or US-6132208-\$ or US-6302686-\$ or US-6572372-\$ or US-6626664-\$ or US-6790036-\$ or US-5536168-\$ or US-5645420-\$ or US-6935857-\$ or US-5415542-\$ or US-3871370-\$ or US-4830612-\$ or US-4799884-\$ or US-6464494-\$ or US-4304227-\$ or US-4784605-\$ or US-4591341-\$ or US-4580975-\$ or US-4568280-\$ or US-6129084-\$ or US-4505672-\$ or US-4504225-\$ or US-4371336-\$ or US-4370129-\$ or US-5779470-\$).did. or (US-4273530-\$ or US-5499633-\$ or US-4073061-\$ or US-4055895-\$ or US-3898736-\$ or US-3837081-\$ or US-3724075-\$ or US-3536069-\$ or US-3286576-\$ or US-5682903-\$ or US-5338190-\$ or US-5876199-\$ or US-5683244-\$ or US-5328362-\$ or US-5211559-\$ or US-5752822-\$ or US-6837246-\$ or US-5323787-\$ or US-5203695-\$ or US-5186623-\$ or US-5816799-\$ or US-5028231-\$ or US-4983334-\$ or US-4919612-\$ or US-4898535-\$ or US-4173505-\$ or US-4505673-\$).did. or (US-4139944-\$ or US-3950851-\$ or US-3848335-\$ or US-2966908-\$ or US-5037295-\$).did.	US-PGPUB; USPAT	OR	ON	2007/10/22 11:59
S16 6	39	S165 and S163	US-PGPUB; USPAT	OR	ON	2007/10/22 11:59

## EAST Search History

S16 7	71	(US-20050053897-\$ or US-20030198912-\$ or US-20030219690-\$ or US-20030224313-\$ or US-20030180688-\$ or US-20050037311-\$ or US-20030205234-\$ or US-20060099546-\$ or US-20020144685-\$ or US-20050037318-\$ or US-20070240724-\$ or US-20050072435-\$ or US-20040058295-\$).did. or (US-5624257-\$ or US-5365945-\$ or US-6132208-\$ or US-6302686-\$ or US-6572372-\$ or US-6626664-\$ or US-6790036-\$ or US-5536168-\$ or US-5645420-\$ or US-6935857-\$ or US-5415542-\$ or US-3871370-\$ or US-4830612-\$ or US-4799884-\$ or US-6464494-\$ or US-4304227-\$ or US-4784605-\$ or US-4591341-\$ or US-4580975-\$ or US-4568280-\$ or US-6129084-\$ or US-4505672-\$ or US-4504225-\$ or US-4371336-\$ or US-4370129-\$ or US-5779470-\$).did. or (US-4273530-\$ or US-5499633-\$ or US-4073061-\$ or US-4055895-\$ or US-3898736-\$ or US-3837081-\$ or US-3724075-\$ or US-3536069-\$ or US-3286576-\$ or US-5682903-\$ or US-5338190-\$ or US-5876199-\$ or US-5683244-\$ or US-5328362-\$ or US-5211559-\$ or US-5752822-\$ or US-6837246-\$ or US-5323787-\$ or US-5203695-\$ or US-5186623-\$ or US-5816799-\$ or US-5028231-\$ or US-4983334-\$ or US-4919612-\$ or US-4898535-\$ or US-4173505-\$ or US-4505673-\$).did. or (US-4139944-\$ or US-3950851-\$ or US-3848335-\$ or US-2966908-\$ or US-5037295-\$).did.	US-PGPUB; USPAT	OR	ON	2007/10/22 13:42
S16 8	99498	tongue	US-PGPUB; USPAT	OR	OFF	2007/10/22 14:08
S16 9	362	(433/6).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/10/22 14:11

## EAST Search History

S17 0	71	(US-20050053897-\$ or US-20030198912-\$ or US-20030219690-\$ or US-20030224313-\$ or US-20030180688-\$ or US-20050037311-\$ or US-20030205234-\$ or US-20060099546-\$ or US-20020144685-\$ or US-20050037318-\$ or US-20070240724-\$ or US-20050072435-\$ or US-20040058295-\$).did. or (US-5624257-\$ or US-5365945-\$ or US-6132208-\$ or US-6302686-\$ or US-6572372-\$ or US-6626664-\$ or US-6790036-\$ or US-5536168-\$ or US-5645420-\$ or US-6935857-\$ or US-5415542-\$ or US-3871370-\$ or US-4830612-\$ or US-4799884-\$ or US-6464494-\$ or US-4304227-\$ or US-4784605-\$ or US-4591341-\$ or US-4580975-\$ or US-4568280-\$ or US-6129084-\$ or US-4505672-\$ or US-4504225-\$ or US-4371336-\$ or US-4370129-\$ or US-5779470-\$).did. or (US-4273530-\$ or US-5499633-\$ or US-4073061-\$ or US-4055895-\$ or US-3898736-\$ or US-3837081-\$ or US-3724075-\$ or US-3536069-\$ or US-3286576-\$ or US-5682903-\$ or US-5338190-\$ or US-5876199-\$ or US-5683244-\$ or US-5328362-\$ or US-5211559-\$ or US-5752822-\$ or US-6837246-\$ or US-5323787-\$ or US-5203695-\$ or US-5186623-\$ or US-5816799-\$ or US-5028231-\$ or US-4983334-\$ or US-4919612-\$ or US-4898535-\$ or US-4173505-\$ or US-4505673-\$).did. or (US-4139944-\$ or US-3950851-\$ or US-3848335-\$ or US-2966908-\$ or US-5037295-\$).did.	US-PGPUB; USPAT	OR	ON	2007/10/22 14:08
S17 1	39	S170 and S168	US-PGPUB; USPAT	OR	ON	2007/10/22 14:09
S17 2	84065	thumb	US-PGPUB; USPAT	OR	ON	2007/10/22 14:09
S17 3	7	S170 and S172	US-PGPUB; USPAT	OR	ON	2007/10/22 14:09
S17 4	28	S169 and S172	US-PGPUB; USPAT	OR	ON	2007/10/22 14:11
S17 5	390	128/861.ccls.	US-PGPUB; USPAT	OR	OFF	2007/10/22 14:24

## EAST Search History

S17 6	29	S172 and S175	US-PGPUB; USPAT	OR	ON	2007/10/22 14:22
S17 7	38848	"128"/.clas.	US-PGPUB; USPAT	OR	ON	2007/10/22 14:22
S17 8	2010	S172 and S177	US-PGPUB; USPAT	OR	ON	2007/10/22 14:22
S17 9	0	suck%4	US-PGPUB; USPAT	OR	ON	2007/10/22 14:23
S18 0	111265	suck\$4	US-PGPUB; USPAT	OR	ON	2007/10/22 14:23
S18 1	358	S172 same S180	US-PGPUB; USPAT	OR	ON	2007/10/22 14:23
S18 2	67	S177 and S181	US-PGPUB; USPAT	OR	ON	2007/10/22 14:23
S18 3	65	S182 not S176	US-PGPUB; USPAT	OR	ON	2007/10/22 14:23